

Appn. No.: 09/909,179
Amendment Dated October 26, 2006
Reply to Office Action of July 27, 2006

MATP-610US

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) A video recorder programming device comprising:

means for communicating between a user and said video recorder programming device through a telephone connection;

means for storing voice messages transmitted by said user through said means for communicating;

means for transmitting audio data to said user through said means for communicating to prompt said user to send recording parameter data for recording programs, each program being associated with a plurality of recording parameters;

means for receiving and storing said recording parameter data transmitted by said user as DTMF tones corresponding to keys on a telephone keypad through said means for communicating, wherein the means for receiving and storing said recording parameter data further includes means for determining if a video recorder controlled by the video recorder programming device has sufficient storage to store video information corresponding to the recording parameter data and other video information that has not yet been recorded corresponding to previously stored recording parameter data and for prompting the user for instructions if the video recorder does not have sufficient storage to store the video information, and wherein the instructions prompt the user to select between overwriting recorded video information or editing the previously stored recording parameter data and if the user selects to edit the previously stored recording parameter data, the instructions prompt the user to edit recording parameters for each program and if the user selects a program for editing, the instructions prompt the user to edit at least two parameters of the plurality of parameters associated with the selected program; and

means for starting a recording process by the video recorder responsive to the stored parameters.

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2. (Currently Amended) A video recorder programming device comprising:

means for communicating between a user and said video recorder programming device through a telephone connection;

means for storing voice messages transmitted by said user through said means for communicating;

means for transmitting audio data to said user through said means for communicating to prompt said user to send recording parameter data for recording programs, each program being associated with a plurality of recording parameters;

means for receiving and storing said recording parameter data transmitted by said user as DTMF tones corresponding to keys on a telephone keypad through said means for communicating, wherein the means for receiving and storing said recording parameter data further includes means for determining if a video recorder controlled by the video recorder programming device has sufficient storage to store video information corresponding to the recording parameter data and other video information that has not yet been recorded corresponding to previously stored recording parameter data and for prompting the user for instructions if the video recorder does not have sufficient storage to store the video information, and wherein the instructions prompt the user to select between overwriting recorded video information or editing the previously stored recording parameter data and if the user selects to edit the previously stored recording parameter data, the instructions prompt the user to edit recording parameters for each program and if the user selects a program for editing, the instructions prompt the user to edit at least two parameters of the plurality of parameters associated with the selected program; and

means for starting a recording process by the video recorder responsive to the stored parameters including an infrared signal transmitter that transmits a command to the video recorder causing the video recorder to enter a programming mode, that transmits the parameters to the video recorder as the program and that transmits a command to the video recorder to leave the programming mode.

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3. (Original) A device according to claim 1 wherein the parameters include a channel number and a start time, and the device further comprises a television receiver and decoder including a television tuner for tuning to the channel specified by the channel number at a time equal to the start time to receive and decode a television signal corresponding to the parameters, whereby the video recorder records the decoded television signal.

4. (Original) A device according to claim 3, wherein the device further comprises a mass storage device and the means for starting the recording process causes the decoded television signal to be stored in the mass storage device as the video recorder.

5. (Original) A device according to claim 1, wherein the means for storing audio messages comprises a telephone answering machine.

6. (Original) The device of claim 5, further comprising means, responsive to a predetermined dual-tone multi-frequency (DTMF) code for switching the device between operating as the telephone answering machine and as the video recorder programming device.

7. (Currently Amended) A method of programming a video recording device comprising:

enabling telephone communications between a user and a set top box when the user is at a location remote from the set top box;

transmitting audio data to the user to prompt the user to transmit audio programming data for recording programs, each program being associated with a plurality of recording parameters including start time data and one of stop time data and duration data;

receiving the audio programming data into the set top box through said telephone communications and converting the audio programming data into command data for the video recording device;

determining if the video recording device has sufficient storage to store video information corresponding to the command data and other video information that has not yet been recorded corresponding to previously received command data and prompting the user for

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instructions if the video recording device does not have sufficient storage to store the video information; wherein the instructions prompt the user to select between overwriting recorded video information or editing the previously received command data and if the user selects to edit the previously stored recording parameter data, the instructions prompt the user to edit recording parameters for each program and if the user selects a program for editing, the instructions prompt the user to edit at least two parameters of the plurality of parameters associated with the selected program; and

transmitting the command data and any edited previously received command data to the video recording device.

8. (Original) A method according to claim 7, wherein the set-top box further includes telephone answering machine functionality and the method further comprises the step of receiving predetermined audio data to switch the set-top box from the answering machine functionality prior to receiving the audio programming data.

9. (Original) A method according to claim 7, wherein the step of transmitting the command data to the video recording device includes converting the command data into infra-red signals and transmitting the infra-red signals to the video recording device.

10. (Original) A method according to claim 7, further including the step of storing the command data in the set top box.

11. (Currently Amended) A method of programming a video recording device comprising

enabling telephone communications between a user and a set top box;
transmitting audio data to the user to prompt the user to transmit audio programming data for recording programs, each program being associated with a plurality of recording parameters including start time data and one of stop time data and duration data and to prompt the user to select between entering new programming data, deleting existing programming data and editing existing programming data;

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receiving the audio programming data into the set top box through said telephone communications and converting the audio programming data into command data for the video recording device including modifying the stored command data responsive to audio programming data received through the telephone communications;

determining if the video recording device has sufficient storage to store video information corresponding to the command data and other video information that has not yet been recorded corresponding to previously received command data and prompting the user for instructions if the video recording device does not have sufficient storage to store the video information; wherein the instructions prompt the user to select between overwriting recorded video information or editing the previously received command data and if the user selects to edit the previously stored recording parameter data, the instructions prompt the user to edit recording parameters for each program and if the user selects a program for editing, the instructions prompt the user to edit at least two parameters of the plurality of parameters associated with the selected program; and

transmitting the command data and any edited previously received command data to the video recording device.

12. (Currently Amended) A method of programming a video recorder, said method comprising:

detecting an incoming telephone call by a set top box containing an automated answering machine;

enabling telephone communication between a user and said set top box when the user is at a location remote from said set-top box;

transmitting a message from said automated answering machine to said user;

detecting a programming signal transmitted by said user through said telephonic communication to said automated answering machine,

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receiving programming data into said automated answering machine, said programming data being transmitted by said user through said telephone communication for recording programs, each program being associated with a plurality of recording parameters and including start time data and at least one of stop time data and duration data,

determining if the video recorder has sufficient storage to store video information corresponding to the programming data and other video information that has not yet been recorded corresponding to previously received programming data and prompting the user for instructions if the video recorder does not have sufficient storage to store the video information; wherein the instructions prompt the user to select between overwriting recorded video information or editing the previously received programming data and if the user selects to edit the previously stored recording parameter data, the instructions prompt the user to edit recording parameters for each program and if the user selects a program for editing, the instructions prompt the user to edit at least two parameters of the plurality of parameters associated with the selected program; and

transmitting said programming data and a control code from said automated answering machine to said video recorder to enable a recording function of said video recorder.

13. (Original) The method of claim 12, further comprising storing said programming data into a data storage device.

14. (Original) The method of claim 12, wherein the step of transmitting the programming data to the video recorder further includes the step of converting the programming data into an infrared signal.